



**Manually
Dialing
With
PORTSCOM**



Potential Problems with Non-Secure Point-to-Point Transfers

- Non-Secure Point-to-Point Data Transfers allows the PORTSCOM System to make the telephone call.
- Potential dialing problem can occur when:
 - The telephone number of one of the PORTSCOM units is unknown.
 - The telephone call must be made through an operator.
 - The telephone call must go through a switchboard, or an extension number must be dialed.



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What Should an NCS Officer Do?



Host Versus Control

- For PORTSCOM Data Transfers, it is very important to properly determine which PORTSCOM unit should be Host or Control
- A Host Computer remains passive.
 - The Host Computer listens for the telephone call.
 - The Host Computer should be easy to dial.
- A Control Computer is active.
 - The Control Computer makes the telephone call.
 - The Control Computer needs to know how to dial the Host Computer.
 - The Control Computer controls the Data Transfer



When to Be A Host Computer

**Host
Computer**

**Control
Computer**

- Host Computer Operator is very inexperienced, or
- Host Computer phone number is known, or
- Host Computer is “easy” to dial



When to Be A Control Computer

**Host
Computer**

**Control
Computer**

- Control Computer Operator is experienced in PORTSCOM, or
- Control Computer phone number is unknown, or
- Control Computer is “hard” to Dial:
 - Requires Operator Assistance
 - Involves dialing through a switchboard extension



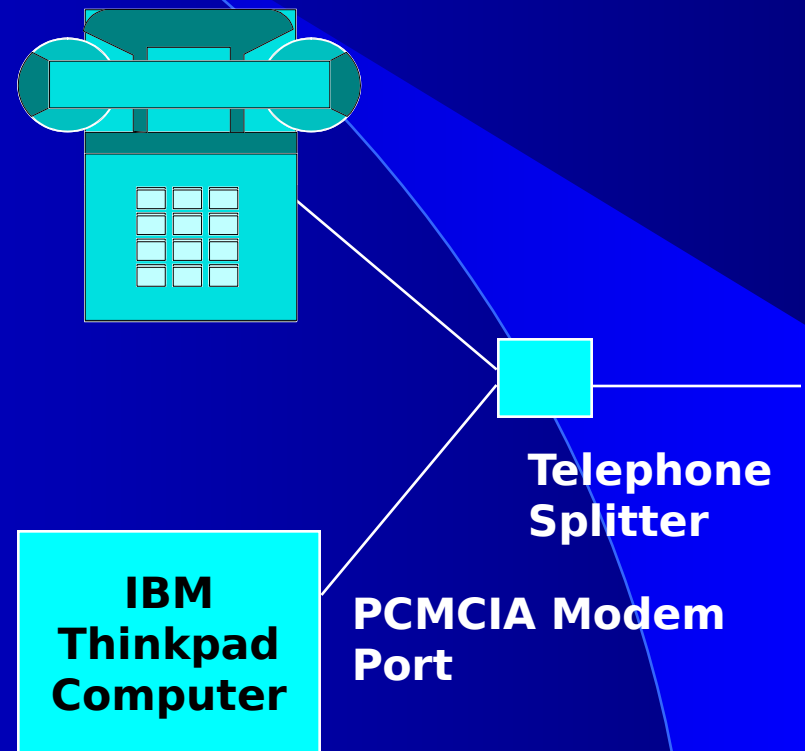
Manual or Operator-Assisted Dialing

- There may be instances where a PORTSCOM Operator must manually dial the telephone to complete a PORTSCOM Data Transfer
 - The call must go through an Operator.
 - The call must go through a Switchboard or dial an Office Extension.
 - A Credit Card Dialing Sequence is used with can not be handled by PROCOMM.
 - Other reasons not yet known.
- The Non-Secure Control Program allows a PORTSCOM user to Manually Dial another PORTSCOM Unit.



Setting Up PORTSCOM for A Manually or Operator Assisted Call

- The Telephone line requires a splitter.
- One Telephone Cord goes to the Modem Port on the PORTSCOM Unit
- The Other Telephone Cord goes to an actual Telephone
 - This Could Be Your STU-III





Manual Dial Procedure (1)

Host Computer executes a Non-Secure Host Transfer and waits for the Control Computer to call.

**Host
Computer**



Manual Dial Procedure (2)

Control Computer Executes a Non-Secure Control Transfer.

**Control
Computer**

**Host
Computer**



Manual Dial Procedure (3)

When the Control Computer asks “Will this be a Manually Dialed or Operator Assisted Call?”, respond with Yes.

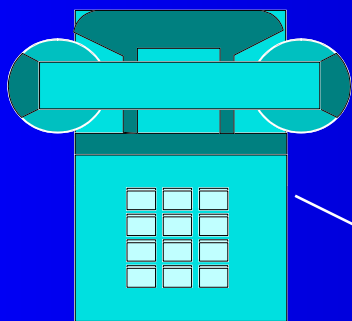
**Control
Computer**

**Host
Computer**



Manual Dial Procedure (4)

The Control Computer will prompt you to "Dial the Call."
Using the Telephone, dial the Host Site.



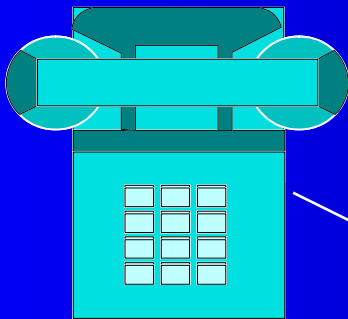
**Host
Computer**

**Control
Computer**



Manual Dial Procedure (4)

When requested, provide information to the Operator, or to the switchboard, so that the call can continue to “Go Through.”



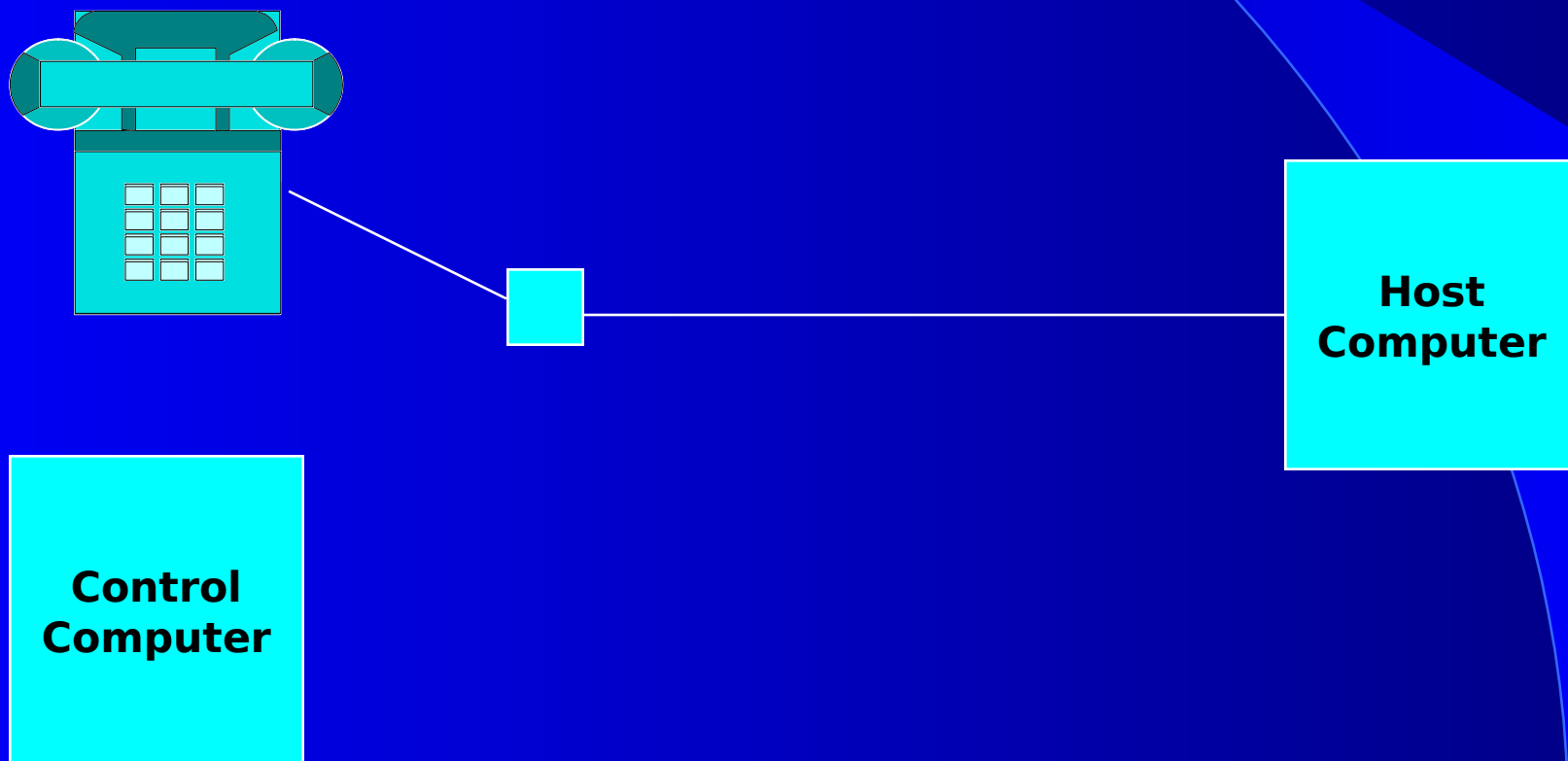
**Host
Computer**

**Control
Computer**



Manual Dial Procedure (5)

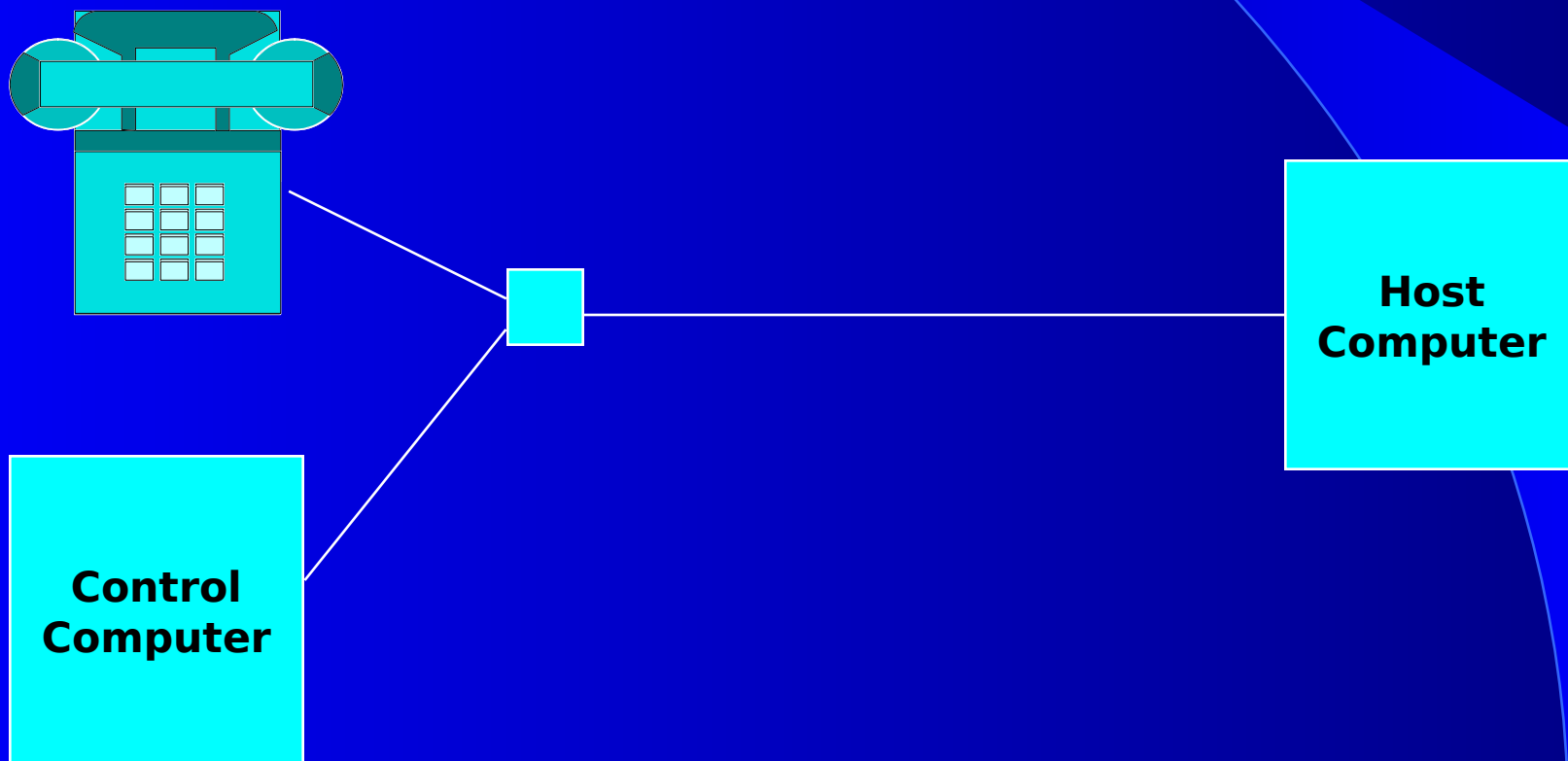
When you get through the Operator or Switchboard and you are finally ringing the Host Computer (the Destination Site)





Manual Dial Procedure (6)

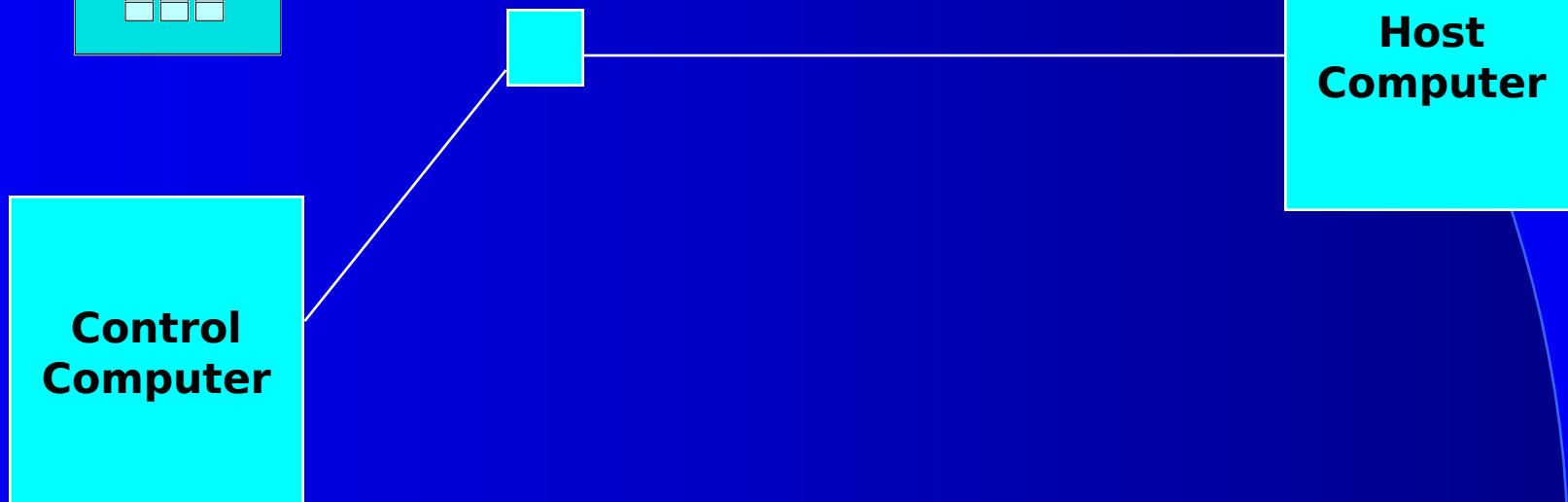
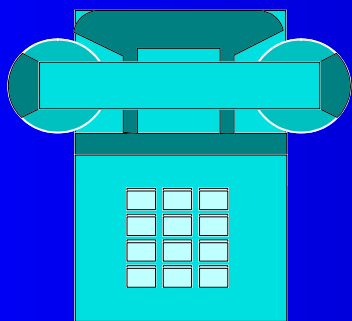
Press the OK Button or Hit the Return Key on the Control Computer. This connects the Computer to the phone call.





Manual Dial Procedure (7)

Hang up the Telephone. This removes the telephone from the Phone Call.





A Few Pointers

- Manual Dialing depends on timing.
 - The Operator of the Control Computer needs to know when he is actually ringing the Host Computer.
 - The Operator needs to Hit the Return Key on the Control Computer, and then Hang Up the Telephone before the Host Computer “Answers The Phone”
 - The Host Computer was factory configured to wait 4 rings before answering the phone, to all a Control Operator plenty of time to complete these events.



**Lets Put Some Fingers
on the Keyboards**